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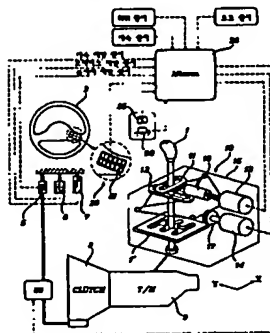
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(54) AUTOMATIC TRANSMISSION SYSTEM FOR VEHICLE WITH MANUAL TRANSMISSION

(57) Abstract:

PURPOSE: An automatic transmission system for a vehicle with a manual transmission is provided to improve convenience by shifting gears with pushing a button installed in a steering wheel without operating a shift lever and with automatically engaging and disengaging the clutch according to driving condition of the vehicle.



CONSTITUTION: An automatic transmission system comprises a neutral position operating body(11) having a long hole to move along an X-axis by inserting a shift lever(1) and moving the shift lever along a Y-axis; a shift position operating body(12) crossing over the neutral position operating body, having a long hole to move along the Y-axis by inserting the shift lever, and moving the shift lever along the X-axis; plural driving unit generating power to move two operating bodies along the X or Y-axis; a shift control button(20) installed around a driver's seat to operate the shift lever by a driver; a control unit controlling the driving units to move the shift lever according to the signal from the shift control button; guide units installed at both sides of the operating bodies to actively reciprocate two operating bodies in the case; and a position detecting unit installed in the guide unit to detect the position of the operating body and transmit the position to the control unit.

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